

Docket Number (Optional)  
81087-276978Application No.  
UNASSIGNEDINFORMATION DISCLOSURE CITATION  
IN AN APPLICATIONApplicant  
KENJI SHIMANO ET AL.Filing Date  
DECEMBER 17, 2001Group Art Unit  
UNKNOWN

(Use several sheets if necessary)

10/08/2001  
12/17/01  
10/08/2001  
12/17/01

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|----------|-----------------|-------|----------|-------------------------------|
| <i>HE</i>           | 5 2 0 0 9 1 3   | 04/06/93 | Hawkins et al.  |       |          |                               |
|                     | 5 3 3 3 1 1 6   | 07/26/94 | Hawkins et al.  |       |          |                               |
|                     | 5 3 3 5 1 4 2   | 08/02/94 | Anderson        |       |          |                               |
|                     | 5 4 9 8 1 6 5   | 03/12/96 | Tseng           |       |          |                               |
|                     | 5 7 6 8 1 6 3   | 06/16/98 | Smith, II       |       |          |                               |
|                     | 5 9 1 7 4 7 5   | 06/29/99 | Kusunuki et al. |       |          |                               |
|                     | 5 9 8 7 7 0 4   | 11/23/99 | Tang            |       |          |                               |
| <i>HE</i>           | 6 1 4 1 2 0 8   | 10/31/00 | Hong et al.     |       |          |                               |
|                     |                 |          |                 |       |          |                               |
|                     |                 |          |                 |       |          |                               |
|                     |                 |          |                 |       |          |                               |
|                     |                 |          |                 |       |          |                               |

## FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation<br>Yes No |
|-----------------|------|---------|-------|----------|-----------------------|
|                 |      |         |       |          |                       |
|                 |      |         |       |          |                       |
|                 |      |         |       |          |                       |
|                 |      |         |       |          |                       |
|                 |      |         |       |          |                       |
|                 |      |         |       |          |                       |
|                 |      |         |       |          |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

EXAMINER

DATE CONSIDERED

*Lee Edmonds**5/12/04*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

|  |  |  |  |
|--|--|--|--|
| <b>FORM PTO-1449</b> (Page 2 of 3)<br><br><b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><br><i>(Use several sheets if necessary)</i> |  | <b>Docket Number (Optional)</b><br>81087-276978<br><br><b>Applicant</b><br>KENJI SHIMANO ET AL.<br><br><b>Filing Date</b><br>DECEMBER 17, 2001<br><br><b>Group Art Unit</b><br>UNKNOWN |  |
|--|--|--|--|

  

| U.S. PATENT DOCUMENTS |                 |   |   |   |   |   |      |          |                 |       |              |                               |
|-----------------------|-----------------|---|---|---|---|---|------|----------|-----------------|-------|--------------|-------------------------------|
| EXAMINER<br>INITIAL   | DOCUMENT NUMBER |   |   |   |   |   |      | DATE     | NAME            | CLASS | SUBCLAS<br>S | FILING DATE<br>IF APPROPRIATE |
| <i>JS</i>             | 6               | 2 | 0 | 2 | 2 | 5 | 6 B1 | 03/20/01 | Bovio et al.    |       |              |                               |
|                       | 6               | 2 | 1 | 9 | 6 | 8 | 1 B1 | 04/17/01 | Hawkins et al.  |       |              |                               |
|                       | 6               | 2 | 5 | 6 | 1 | 9 | 4 B1 | 07/03/01 | Choi et al.     |       |              |                               |
|                       | 6               | 2 | 7 | 5 | 3 | 7 | 6 B1 | 08/14/01 | Moon            |       |              |                               |
|                       | 6               | 2 | 9 | 7 | 9 | 4 | 7 B1 | 10/02/01 | Howell et al.   |       |              |                               |
|                       | 6               | 3 | 0 | 0 | 9 | 2 | 1 B1 | 10/09/01 | Moriconi et al. |       |              |                               |
|                       | 6               | 3 | 9 | 4 | 4 | 3 | 1 B1 | 10/16/01 | Kim             |       |              |                               |
|                       | 6               | 3 | 0 | 4 | 4 | 3 | 3 B2 | 10/16/01 | O'Neal et al.   |       |              |                               |
| <i>JS</i> 2001        | 6               | 3 | 0 | 1 | 7 | 6 | 8 B1 | 10/30/01 | Kung et al.     |       |              |                               |
|                       | 0               | 0 | 0 | 1 | 8 | 5 | 9 A1 | 05/24/01 | Hawkins et al.  |       |              |                               |
|                       |                 |   |   |   |   |   |      |          |                 |       |              |                               |
|                       |                 |   |   |   |   |   |      |          |                 |       |              |                               |
|                       |                 |   |   |   |   |   |      |          |                 |       |              |                               |
|                       |                 |   |   |   |   |   |      |          |                 |       |              |                               |

  

| FOREIGN PATENT DOCUMENTS |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|--------------------------|-----------------|--|--|--|--|--|--|------|---------|-------|----------|-------------|----|
|                          | DOCUMENT NUMBER |  |  |  |  |  |  | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          | Yes         | No |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |

  

| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> |  |
|---|--|
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |

  

|  |  |
|--|--|
| <b>EXAMINER</b><br><i>Lia L. Edmonds</i> | <b>DATE CONSIDERED</b><br><i>5/12/04</i> |
|--|--|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

|   |  |                               |
|---|--|-------------------------------|
| FORM PTO-1449<br>(Page 3 of 3)  | Docket Number (Optional)<br>81087-276978 | Application No.<br>UNASSIGNED |
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><br>(Use several sheets if necessary) | Applicant<br>KENJI SHIMANO ET AL.        |                               |
|   | Filing Date<br>DECEMBER 17, 2001         | Group Art Unit<br>UNKNOWN     |

| U.S. PATENT APPLICATION PUBLICATION DOCUMENT |                 |   |   |   |   |   |   |      |          |                |       |                               |
|--|-----------------|---|---|---|---|---|---|------|----------|----------------|-------|-------------------------------|
| EXAMINER<br>INITIAL                          | DOCUMENT NUMBER |   |   |   |   |   |   |      | DATE     | NAME           | CLASS | FILING DATE<br>IF APPROPRIATE |
| <i>JE</i>                                    | 2001            | 0 | 0 | 0 | 1 | 8 | 5 | 9 A1 | 05/24/01 | Hawkins et al. |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |
|  |                 |   |   |   |   |   |   |      |          |                |       |                               |

| FOREIGN PATENT DOCUMENTS |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|--------------------------|-----------------|--|--|--|--|--|--|------|---------|-------|----------|-------------|----|
|                          | DOCUMENT NUMBER |  |  |  |  |  |  | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          | Yes         | No |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |
|                          |                 |  |  |  |  |  |  |      |         |       |          |             |    |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |                                   |
|--|-----------------------------------|
| EXAMINER<br><i>Lin Lee-Edmonds</i>   | DATE CONSIDERED<br><i>5/12/04</i> |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. |                                   |